

## IDENTIFICATION TAG

ID TAG NOTE:

TAG SHALL BE ALUMINUM OR STAINLESS STEEL AND ATTACHED TO POLE USING TWO RIVETS OR STAINLESS STEEL DRIVE SCREWS. ID TAG HOLES SHALL BE DRILLED PRIOR TO

\* INCLUDING REVISION

GENERAL NOTES:

ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE NOTED.

THE CORRECT MOUNTING HEIGHT WILL BE OBTAINED BY ADJUSTING DOWNWARD FROM THE 150 mm MIN. CLEARANCE BETWEEN THE POLE CAP AND THE TOP OF THE BRACKET ARM MOUNT.

HOLES SHALL BE PUNCHED ONLY FOR SPECIFIED BOLT CIRCLE.

TRANSFORMER BASE SHALL BE CERTIFIED AS MEETING THE BREAKAWAY CRITERIA AND STRUCTURAL REQUIREMENTS AS SET BY THE CURRENT AASHTO "STANDARD SPECIFICATIONS FOR STRUCURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS" AND MEET THE BREAKAWAY REQUIREMENTS OF NCHRP 350.

HANDHOLE SHALL BE APPROX. 102 mm X 165 mm. HANDHOLE FRAME SHALL BE REINFORCED SO THAT THE POLE STRENGTH IS NOT REDUCED.

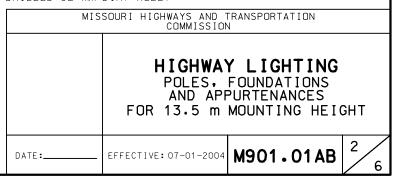
TRANSFORMER BASES FOR 13.5 m MOUNTING HEIGHT SHALL BE FURNISHED WITH ONE DRILLED AND TAPPED HOLE AND GROUNDING LUG FOR GROUNDING EQUIPMENT.

ALL JUNCTION BOXES SHALL CONFORM TO SECTION 1062 OF THE STANDARD SPECIFICATIONS.

TYPE AT POLES SHALL BE EQUIPED WITH THE GROUNDING LUG INSIDE THE TRANSFORMER BASE. TYPE B AND MB POLES SHALL BE EQUIPED WITH A GROUNDING LUG INSIDE THE POLE.

POST SHALL BE GROUNDED FROM GROUND LUG IN POST WITH #6 AWG BARE COPPER WIRE TO CONDUIT SYSTEM. GROUND LUG SHALL BE 90° OR 180° FROM HANDHOLE.

THE CABLE ENTRANCE AT THE BRACKET ARM SHALL BE A FIELD DRILLED 32 mm DIA, HOLE.



DETAIL D
LOWER MOUNT FOR TRUSSED

(1) RIGID CONDUIT SYSTEM. WIRES SHALL BE SPLICED
AT FUSED CONNECTOR IN POLE BASE. IF
CABLE-CONDUIT IS SPECIFIED, CUT CONDUIT AWAY
FROM THE CABLES WHERE CABLE-CONDUIT ENTERS
THE RIGID CONDUIT SYSTEM.
(SEE DRAWING M901.02)

25 mm DIA. PIPE NIPPLES

DETAIL C

E ~

13.5 (NOM.

PLAN VIEW OF DETAIL C

	TYPE AT POLE				
BRACKET	SPREAD	1.8mm OR 4.6mm			
MAX. LU	MAX. LUMINAIRE WEIGHT MAX. PROJECTED AREA			0.31 sq. m	
MAX. PR				AT-13.5	
DESIGN NO.	X (m)	A ( mm )	B (mm)	D * (NOMINAL) (mm)	
1	15.2	VAR.	150 MIN.	254	
2	13.7	VAR.	150 MIN.	254	
3	12.2	VAR.	150 MIN.	254	
4	10.7	VAR.	150 MIN.	254	
5	9.2	VAR.	150 MIN.	254	

\* THE MINIMUM ALTERNATE DIAMETER SHALL BE 254mm FOR A 15.2m POLE, 241mm FOR A 13.7m POLE, 229mm FOR A 12.2m POLE, 216mm FOR A 10.7m POLE AND 203mm FOR A 9.2m POLE

TYPE B POLE				
BRACKET SPREAD			1.8mm OR 4.6mm	
MAX. LUMINAIRE WEIGHT			27 kg	
MAX. PROJECTED AREA			0.31 sq. m	
SINGLE BRACKET ARM				
LOCATION	BRACKET SPREAD	D NOM•	ANCHOR BOLT DIA.	
BRIDGE SAFETY BARRIER CURB	1.8mm	254mm	317mm	
TRUSSED BRACKET ARM				
LOCATION	BRACKET SPREAD	D NOM.	ANCHOR BOLT DIA.	
BRIDGE SAFETY BARRIER CURB	4.6mm	254mm	317mm	

	ANSI LAMPS		
FUSE RATING	DESIGNATION HPS	WATTS	INITIAL LUMENS
3 A	S55	150	16,000
5 A	\$50	250	27,500
7 A	\$51	400	50,000

TYPE III MEDIUM DISTRIBUTION SEMI-CUTOFF UNLESS OTHERWISE SPECIFIED ON PLANS

TYPE MB POLE				
BRACKET SPREAD	1.8mm (	DR 4.6mm		
MAX. LUMINAIRE W	/E I GHT	27 kg		
MAX. PROJECTED A	0.31 sq. m			
DOUBLE BRACKET ARM				
LOCATION	BRACKET SPREAD		D NOM.	
MEDIAN BARRIER CURB	1.8mm		254mm	
DOUBLE TRUSSED BRACKET ARM				
LOCATION	BRACKET SPREAD		D NOM•	
MEDIAN BARRIER CURB	4.6mm		254mm	

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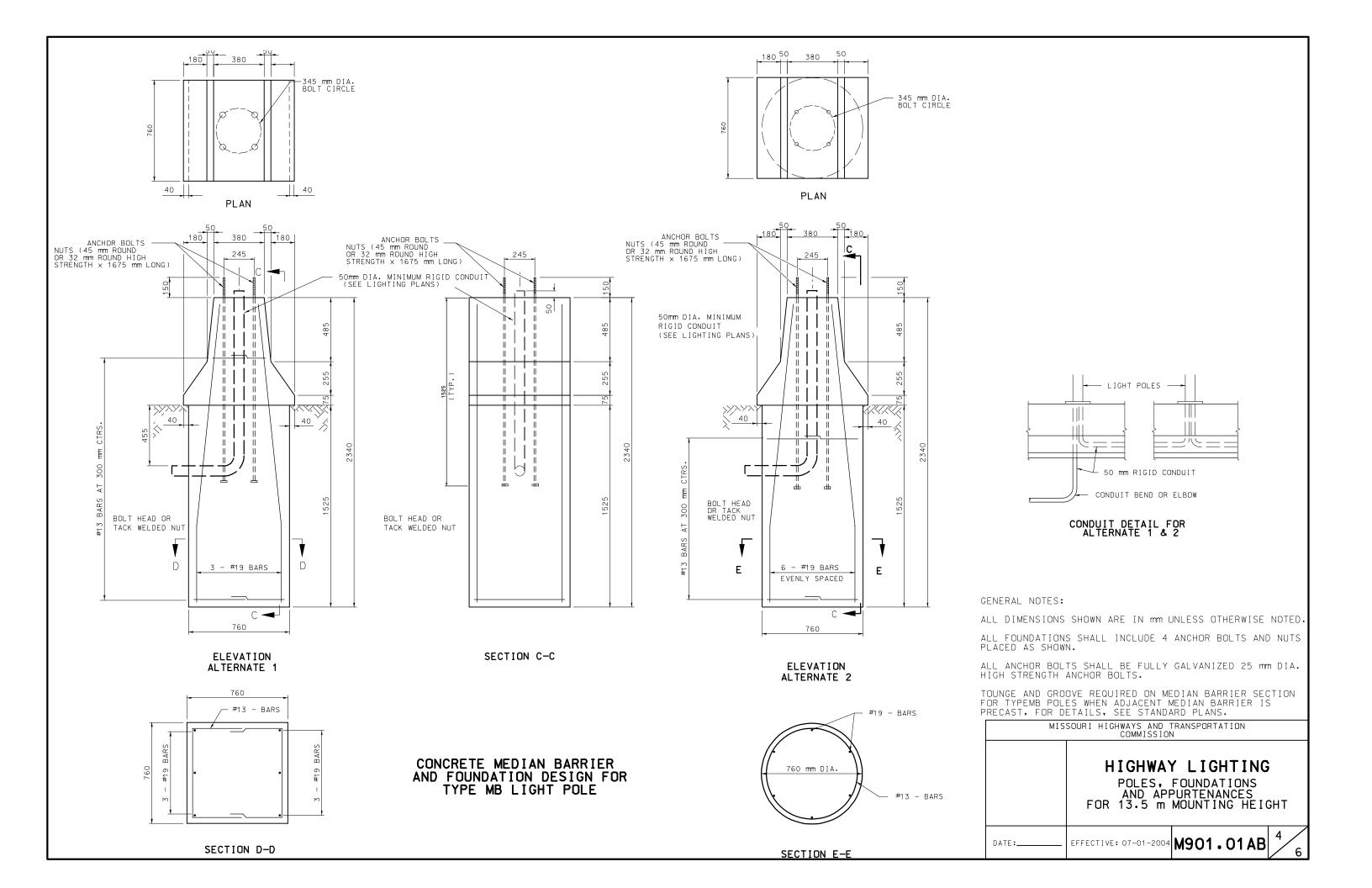
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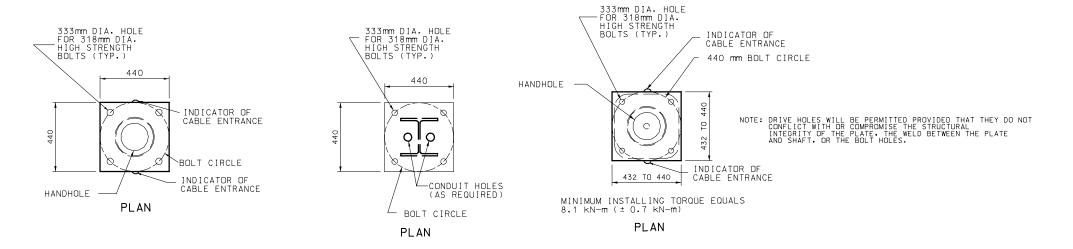
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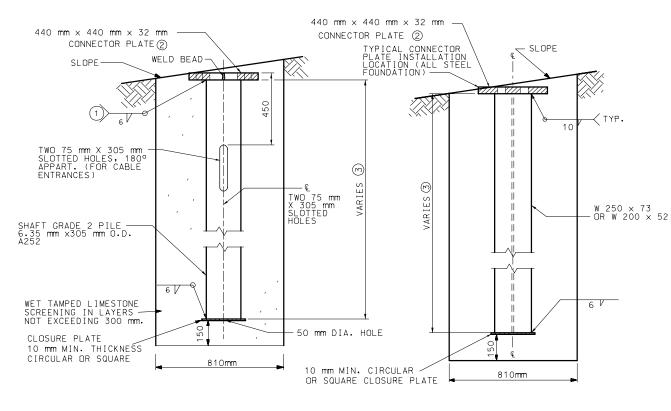
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MIS	SOURI HIGHWAYS AND COMMISSION		
	POLES, AND APP	Y LIGHTING FOUNDATIONS PURTENANCES MOUNTING HEIG	ЭНТ
DATE:	EFFECTIVE: 07-01-2004	M901.01AB	3 6

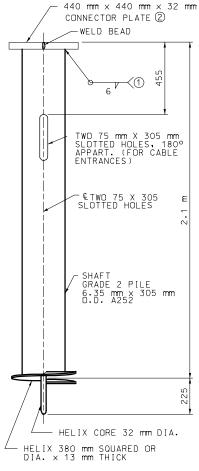






ELEVATION
DETAILS OF CIRCULAR
STEEL PILE FOUNDATION

ELEVATION
DETAILS OF STEEL "H"
PILE FOUNDATION



ELEVATION
DETAILS OF
SCREW ANCHOR FOUNDATION

- 1 GRIND WELD AS NECESSARY TO CLEAR BOLT HEAD.
- 2 FOUNDATIONS SHALL BE INSTALLED SO THAT CONNECTOR PLATES ARE LEVEL PERPENDICULAR TO THE BRACKET ARM AND SLOPED FOR POLE RAKING PARALLEL TO THE BRACKET ARM.
- (3) PILE LENGTHS FOR STEEL PILE FOUNDATIONS:

AT-45 DESIGN NO. PILE LENGTH 4 & 5 2 & 3 2.7 m

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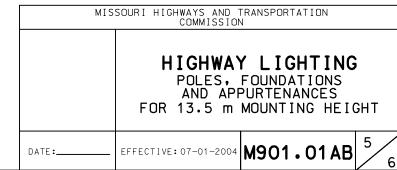
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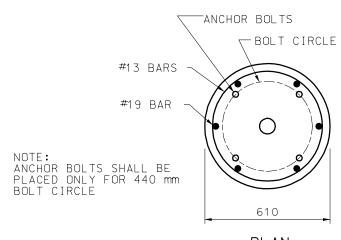
ALL BOLT CIRCLES FOR 13.5 m MOUNTING HEIGHT SHALL BE 440 mm.

ALL CONECTOR PLATE AND CLOSURE PLATE THICKNESSES SHOWN ARE MINIMUM DIMENSIONS.

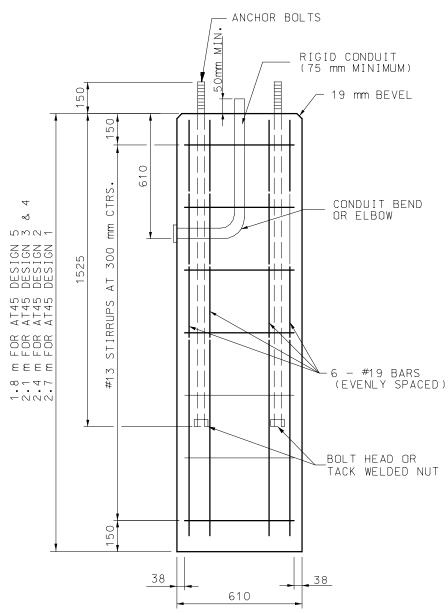
ALL ANCHOR BOLTS SHALL BE FULLY GALVANIZED 30 mm DIA. HIGH STRENGTH ANCHOR BOLTS.

ALL STEEL COMPONENTS SHALL BE HOT DIP GALVANIZED.



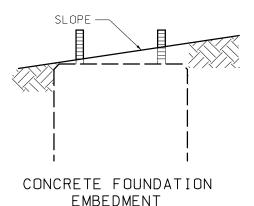


PLAN



AT THE OPTION OF THE CONTRACTOR THE CONCRETE FOUNDATIONS MAY BE PRECAST. IF PRECAST, THEY SHALL BE SET IN DRILLED HOLES 915 mm IN DIAMETER AND 150 mm DEEPER THAN THE BOTTOM OF THE CONCRETE FOUNDATION. THE BOTTOM 150 mm OF THE HOLE AND THE REMAINING SPACE AROUND THE FOUNDATION SHALL BE BACKFILLED WITH WET TAMPED LIMESTONE SCREENINGS IN LAYERS NOT EXCEEDING 300 mm.

QUANTITIES			
	CONC.		
HEIGHT	m³	kg	
1.8	0.53	31	
2.1	0.61	37	
2.4	0.70	43	
2.7	0.79	49	



ELEVATION

DETAILS OF CONCRETE FOUNDATION 4

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